



Units of Length

I can understand and use common imperial units of length and convert between inches and centimetres.



1 inch \approx 2.5cm

- 1) For each measurement, choose the method you will use to convert it from inches to centimetres.

double

halve

$\times 10$

add
previous
answers
together

repeated
addition

1 inch	2 inches	4 inches	5 inches	10 inches
2.5cm	cm	cm	cm	cm

1 cm \approx 0.4 inches

- 2) For each measurement, choose the method you will use to convert it from centimetres to inches.

double

halve

$\times 10$

add
previous
answers
together

repeated
addition

1cm	2cm	5cm	10cm	15cm
0.4 inches	inches	inches	inches	inches



Class 5B grew seedlings as part of their science topic. Some of the children measured the height of their seedlings in inches and some children measured theirs in centimetres.

- 3) Order the heights of these seedlings from shortest to tallest.
Remember to change the measurements to the same unit to help you find the answer.

4 inches

8cm

7cm

Shortest		Tallest

- 4) Haroon's seedling measured 4cm when he first measured it. It grew 2 inches. What was its final measurement? Give your answer in centimetres.
Show how you worked out your answer.





Units of Length **Answers**

Question	Answer				
1.	For each measurement, choose the method you will use to convert it from inches to centimetres.				
	1 inch	2 inches	4 inches	5 inches	10 inches
	2.5cm	5cm	10cm	12.5cm	25cm
2.	For each measurement, choose the method you will use to convert it from centimetres to inches.				
	1cm	2cm	5cm	10cm	15cm
	0.4 inches	0.8 inches	2 inches	4 inches	6 inches
3.	Order the heights of these seedlings from shortest to tallest. Remember to change the measurements to the same unit to help you find the answer.				
	Shortest \longleftrightarrow Tallest				
	7cm	8cm	4 inches		
4.	Haroon's seedling measured 4cm when he first measured it. It grew 2 inches. What was its final measurement? Give your answer in centimetres.				
	9cm				



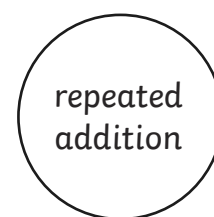
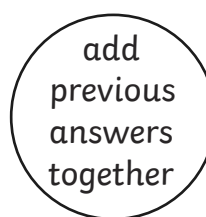
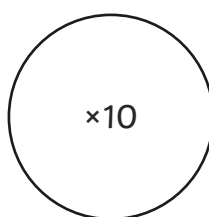
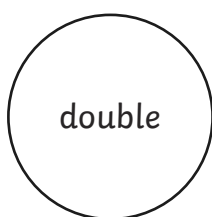
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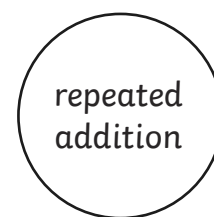
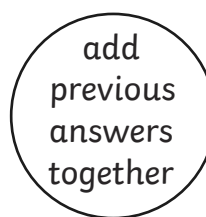
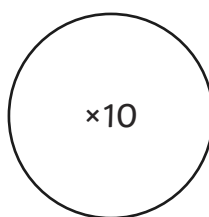
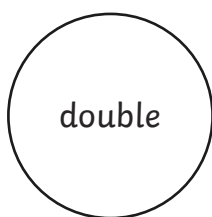
- 1) For each measurement, choose the method you will use to convert it from inches to centimetres.



1 inch	2 inches	5 inches	10 inches	15 inches
2.5cm	cm	cm	cm	cm

1 cm \approx 0.4 inches

- 2) For each measurement, choose the method you will use to convert it from centimetres to inches.



1cm	4cm	9cm	10cm	25cm
0.4 inches	inches	inches	inches	inches



Class 5B grew seedlings as part of their science topic. Some of the children measured the height of their seedlings in inches and some children measured theirs in centimetres.

- 3) Order the heights of these seedlings from shortest to tallest.
Remember to change the measurements to the same unit to help you find the answer.

3 inches

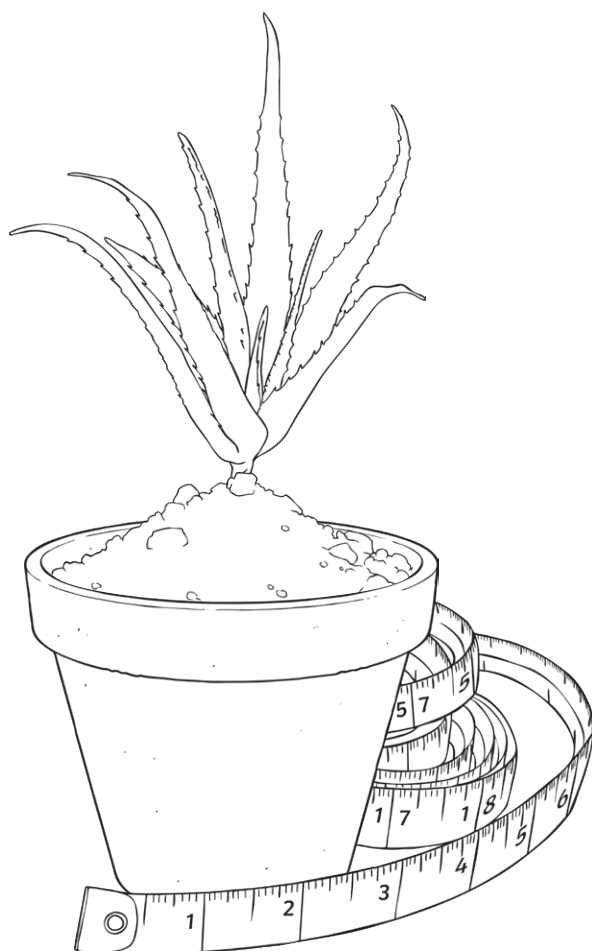
6.5cm

9cm

4 inches


Shortest		Tallest	

- 4) A seedling measured 3.5cm when it was first measured. By the end of the term, it had grown 4 inches. Amal thinks the seedling now measures 14cm in total and Lucas thinks it measures 12cm. Whose answer is closer to the actual measurement?
Show how you worked out the answer.





Units of Length **Answers**

Question	Answer				
1.	For each measurement, choose the method you will use to convert it from inches to centimetres.				
	1 inch	2 inches	5 inches	10 inches	15 inches
	2.5cm	5cm	12.5cm	25cm	37.5cm
2.	For each measurement, choose the method you will use to convert it from centimetres to inches.				
	1cm	4cm	9cm	10cm	25cm
	0.4 inches	1.6 inches	3.6 inches	4 inches	10 inches
3.	Order the heights of these seedlings from shortest to tallest. Remember to change the measurements to the same unit to help you find the answer.				
	Shortest  Tallest				
	6.5cm	3 inches	9cm	4 inches	
4.	A seedling measured 3.5cm when it was first measured. By the end of the term, it had grown 4 inches. Amal thinks the seedling now measures 14cm in total and Lucas thinks it measures 12cm. Whose answer is closer to the actual measurement? Show how you worked out the answer.				
	The seedling measures 13.5cm – Amal's answer is closer.				



Units of Length

I can understand and use common imperial units of length and convert between inches and centimetres.



1 inch \approx 2.5cm

- 1) Convert these measurements from inches to centimetres.

1 inch	4 inches	9 inches	10 inches	24 inches
2.5cm	cm	cm	cm	cm

1 cm \approx 0.4 inches

- 2) Sort each measurement into the correct column in the table:

11cm

5cm

16cm

3cm

8cm

7cm

Less Than 2 Inches	2-4 Inches	More Than 4 Inches

Class 5B grew seedlings as part of their science topic. Some of the children measured the height of their seedlings in inches and some children measured theirs in centimetres.

- 3) Order the heights of these seedlings from shortest to tallest.
Remember to change the measurements to the same unit to help you find the answer.

5 inches

7.8cm

13cm

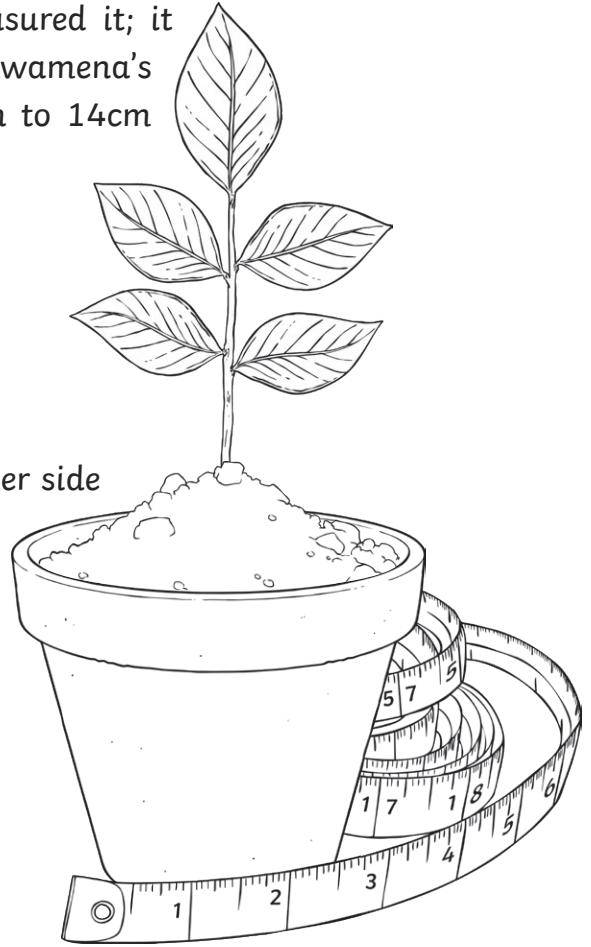
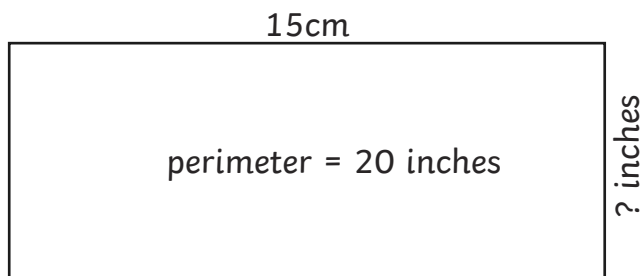
3 inches

Shortest				Tallest

4) Olivia's seedling was 5cm when she first measured it; it was 5 inches tall by the end of the term. Kwamena's seedling measured 3 inches at first; it had grown to 14cm by the end of the term.


Kwamena thinks his seedling grew the most throughout the term. Is he right? Show how you worked out the answer.

- 5) The perimeter of a rectangle is 20 inches. The longer side measures 15cm. What is the length of the shorter side? Give your answer in inches.





Units of Length Answers

Question	Answer				
1.	Convert these measurements from inches to centimetres.				
	1 inch	4 inches	9 inches	10 inches	24 inches
	2.5cm	10cm	22.5cm	25cm	60cm
2.	Sort each measurement into the correct column in the table:				
	Less Than 2 Inches	2-4 Inches		More Than 4 Inches	
	3cm	5cm		11cm	
		8cm		16cm	
		7cm			
3.	Order the heights of these seedlings from shortest to tallest. Remember to change the measurements to the same unit to help you find the answer.				
	Shortest				Tallest
	3 inches	7.8cm	5 inches	13cm	
4.	Olivia's seedling was 5cm when she first measured it; it was 5 inches tall by the end of the term. Kwamena's seedling measured 3 inches at first; it had grown to 14cm by the end of the term. Kwamena thinks his seedling grew the most throughout the term. Is he right? Show how you worked out the answer.				
	Olivia's seedling grew 7.5cm; Kwamena's grew 6.5cm. Kwamena is wrong – Olivia's seedling grew the most.				
5.	The perimeter of a rectangle is 20 inches. The longer side measures 15cm. What is the length of the shorter side? Give your answer in inches.				
	4 inches				